

Amendments to the Claims

1-13. (Cancelled)

14. (New) Intervertebral implant for stabilizing adjacent vertebrae, comprising a solid biocompatible material implant body having a tubular general structure delimited by an upper wall and a lower wall that are convex and slightly divergent toward the front, two opposite lateral walls that are plane and slightly divergent toward the front, and a posterior wall with a threaded axial hole, with a single interior cavity providing communication between orifices provided in the upper wall and the lower wall, wherein:

the upper wall and the lower wall each comprise a respective single large upper orifice or lower orifice,

an interchangeable compression plug is adapted to be fitted by screwing it into the threaded axial hole in the posterior wall,

the interior cavity is closed toward the front by an anterior wall,

the width of the implant defined by the lateral walls is less than its height defined by the upper wall and the lower wall.

15. (New) Implant according to Claim 1, wherein, because of the upper orifice and the lower orifice, the interior cavity is open over the whole of its width between the lateral walls and over the whole of its length between the posterior wall and the anterior wall.

16. (New) Implant according to Claim 1, wherein the interchangeable compression plug comprises a conical interior end portion.

17. (New) Implant according to Claim 1, wherein the interchangeable compression plug and the threaded axial hole that receives it have a diameter substantially equal to the width of the interior cavity in the vicinity of the posterior wall.

18. (New) Implant according to Claim 1, wherein the interchangeable compression plug has a length such that, at the end of screwing it into the threaded axial hole that receives it, its interior end portion penetrates the interior cavity to a distance of at least one quarter of the length of said interior cavity.

19. (New) Implant according to Claim 1, wherein the implant has at least two interchangeable compression plugs having different lengths.

20. (New) Implant according to Claim 1, wherein the posterior wall of the implant body includes an external diametral groove for actuating axial rotation of the implant.

21. (New) Implant according to Claim 1, wherein the anterior wall includes an eccentric threaded hole of smaller diameter.

22. (New) Implant according to Claim 1, wherein the upper larger wall and the lower larger wall include annular toothed anti-expulsion ribs.

23. (New) Implant according to Claim 1, wherein the interchangeable compression plug is made of titanium.

24. (New) Implant according to Claim 1, wherein the implant body is

made of a PEEK type polymer.

25. (New) Implant according to Claim 24, wherein the implant comprises a titanium marker in the implant body away from the interchangeable compression plug.

26. (New) Implant according to Claim 1, wherein the upper wall and lower wall are each of conical general shape and the upper orifice and lower orifice are each bordered at their anterior and posterior ends by a flat perpendicular to the lateral walls.